

## WEST Search History





DATE: Tuesday, March 28, 2006

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L61	L59 and ((scal\$4 or weight\$4 or weigh\$4) with (spectrum\$4) with ((body or surface or local\$2 or reference) with (signal or coil)))	0
<input type="checkbox"/>	L60	L59 and ((scal\$4 or weight\$4 or weigh\$4) with (body or surface or local\$2 or reference))	0
<input type="checkbox"/>	L59	L40 and ((metabolite) with (((plurality or group or "set" or multiple or "multi") with coil) or array))	3
<input type="checkbox"/>	L58	L57 and (metabolite)	0
<input type="checkbox"/>	L57	L56 and ((scal\$4 or weight\$4 or weigh\$4) with (spectrum\$4) with ((body or surface or local\$2 or reference) with (signal or coil)))	1
<input type="checkbox"/>	L56	L52 and ((body or surface or local\$2 or reference) with (signal or coil))	81
<input type="checkbox"/>	L55	L54 and (metabolite)	2
<input type="checkbox"/>	L54	L53 and ((scal\$4 or weight\$4 or weigh\$4) with (spectrum\$4) with (body or surface or local\$2 or reference))	7
<input type="checkbox"/>	L53	L52 and ((scal\$4 or weight\$4 or weigh\$4) with (body or surface or local\$2 or reference))	22
<input type="checkbox"/>	L52	L51 and L50	96
<input type="checkbox"/>	L51	L40 and ((composite or compound or add\$3 or addition or summation or sum\$4 or combin\$4 or combination) with (spectrum))	135
<input type="checkbox"/>	L50	L40 and ((composite or compound or add\$3 or addition or summation or sum\$4 or combin\$4 or combination) with (signal))	451
<input type="checkbox"/>	L49	L48 and ((scal\$4 or weight\$4 or weigh\$4) with (spectrum))	0
<input type="checkbox"/>	L48	L43 and ((composite or compound or add\$3 or addition or summation or sum\$4) with (metabolite))	3
<input type="checkbox"/>	L47	L46 and ((composite or compound or add\$3 or addition or summation or sum\$4) with (metabolite))	0
<input type="checkbox"/>	L46	L43 and ((scal\$4 or weight\$4 or weigh\$4) with (spectrum))	22
<input type="checkbox"/>	L45	L44 and (metabolite)	2
<input type="checkbox"/>	L44	L43 and ((scal\$4 or weight\$4 or weigh\$4) with (body or surface or local\$2 or reference))	15
<input type="checkbox"/>	L43	L42 and ((composite or compound or add\$3 or addition or summation or sum\$4) with (spectrum))	71
<input type="checkbox"/>	L42	L40 and ((composite or compound or add\$3 or addition or summation or sum\$4) with (signal))	365
<input type="checkbox"/>	L41	L40 and ((composite or compound or add\$4 or addition or summation or sum\$4) with (signal))	366

<input type="checkbox"/>	L40	L38 and (composite or compound or add\$3 or addition or summation or sum\$4 or combin\$4 or combination)	813
<input type="checkbox"/>	L39	L38 and (composite or compound or add\$4 or addition or summation or sum\$4 or combin\$4 or combination)	813
<input type="checkbox"/>	L38	L36 and (((plurality or group or "set" or multiple or "multi") with coil) or array)	815
<input type="checkbox"/>	L37	L36 and (((plurality or group or set or multiple or "multi") with coil) or array)	815
<input type="checkbox"/>	L36	L35 and (scal\$4 or weight\$4 or weigh\$4)	1317
<input type="checkbox"/>	L35	L34 and (transmit\$4 or excit\$3 or excitation or generat\$4 or detect\$3 or receiv\$4 or recep\$4 or sensor or senser or sens\$3 or transceiv\$4)	2129
<input type="checkbox"/>	L34	L33 and (reference or calibrat\$4 or initial\$4 or blank\$3 or preparatory or preparatory or preliminary or prescan\$4 or pre-scan\$4)	2138
<input type="checkbox"/>	L33	L32 and (intensity or amplitude or magnitude or peek or peak)	2256
<input type="checkbox"/>	L32	L31 and (spectroscop\$4)	2677
<input type="checkbox"/>	L31	((600/407  600/408  600/409  600/410  600/411  600/412  600/413  600/414  600/415  600/416  600/417  600/418  600/419  600/420  600/421  600/422  600/423  600/424  600/425  600/426  600/427  600/428  600/429  600/430  600/431  600/432  600/433  600/434  600/435).ccls.) or ((324/300  324/301  324/302  324/303  324/304  324/305  324/306  324/307  324/308  324/309  324/310  324/311  324/312  324/313  324/314  324/315  324/316  324/317  324/318  324/319  324/320  324/321  324/322).ccls.) or ((382/128  382/129  382/130  382/131).ccls.))	18620
<input type="checkbox"/>	L30	L11 and ((scal\$4 or weight\$4) with (body or surface or local\$2 or reference) with (signal))	0
<input type="checkbox"/>	L29	L14 and ((scal\$4 or weight\$4) with (body or surface or local\$2 or reference) with (signal))	0
<input type="checkbox"/>	L28	L15 and ((scal\$4 or weight\$4) with (body or surface or local\$2 or reference) with (signal))	0
<input type="checkbox"/>	L27	L26 and ((scal\$4 or weight\$4) with (body or surface or local\$2 or reference) with (signal))	0
<input type="checkbox"/>	L26	L16 and ((scal\$4 or weight\$4) with (body or surface or local\$2 or reference))	4
<input type="checkbox"/>	L25	L24 and ((scal\$4 or weight\$4) with (body or surface or local\$2 or reference))	1
<input type="checkbox"/>	L24	6891371	2
<input type="checkbox"/>	L23	L21 and ((scal\$4 or weight\$4) with (body or surface or local\$2 or reference))	1
<input type="checkbox"/>	L22	L21 and ((reference) with ((body or surface or local\$2) with coil))	0
<input type="checkbox"/>	L21	L16 and ((body or surface or local\$2) with coil)	4
<input type="checkbox"/>	L20	L17 and ((reference) with (body with coil))	0
<input type="checkbox"/>	L19	L16 and (reference with body with coil)	0
<input type="checkbox"/>	L18	L17 and (reference with body with coil)	0
<input type="checkbox"/>	L17	L16 and (body with coil)	4
<input type="checkbox"/>	L16	L15 and ((composite or compound or add\$3 or addition or summation or sum\$4) with (spectrum))	11
<input type="checkbox"/>	L15	L14 and ((composite or compound or add\$3 or addition or summation or sum\$4) with (signal))	48

<input type="checkbox"/>	L14	L12 and (composite or compound or add\$3 or addition or summation or sum\$4)	87
<input type="checkbox"/>	L13	L11 and (composite or compound or add\$4 or addition or summation or sum\$4)	97
<input type="checkbox"/>	L12	L11 and (water or fat\$2 or lipid\$3 or "H2O" or "H.sub.2.O")	87
<input type="checkbox"/>	L11	L10 and ("SNR" or (signal with noise) or ratio)	97
<input type="checkbox"/>	L10	L9 and (((plurality or group or set or multiple or "multi") with coil) or array)	105
<input type="checkbox"/>	L9	L8 and (phas\$3 or array)	163
<input type="checkbox"/>	L8	L7 and (scal\$4 or weight\$4)	177
<input type="checkbox"/>	L7	L6 and (voxel or (volume with element))	203
<input type="checkbox"/>	L6	L5 and (transmit\$4 or excit\$3 or excitation or generat\$4 or detect\$3 or receiv\$4 or recep\$4 or sensor or senser or sens\$3 or transceiv\$4)	4535
<input type="checkbox"/>	L5	L4 and (reference or calibrat\$4 or initial\$4 or blank\$3 or preparatory or preparatory or preliminary or prescan\$4 or pre-scan\$4)	4572
<input type="checkbox"/>	L4	L3 and (intensity or amplitude or magnitude or peek or peak)	4638
<input type="checkbox"/>	L3	L2 and (spectroscop\$4)	6192
<input type="checkbox"/>	L2	L1 and ((magnetic adj resonance) or MRI or NMR)	16799
<input type="checkbox"/>	L1	(metabolite)	52994

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 6891371 B1

**Using default format because multiple data bases are involved.**

L45: Entry 1 of 2

File: USPT

May 10, 2005

US-PAT-NO: 6891371

DOCUMENT-IDENTIFIER: US 6891371 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and system of generating an MRS spectrum from multiple receiver data

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frigo; Frederick J.	Waukesha	WI		
Heinen; James A.	Wauwatosa	WI		
Raidy; Thomas E.	Elm Grove	WI		
Hopkins; Jeffery A.	Pewaukee	WI		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	DOC	Drawings

2. Document ID: US 4933844 A

L45: Entry 2 of 2

File: USPT

Jun 12, 1990

US-PAT-NO: 4933844

DOCUMENT-IDENTIFIER: US 4933844 A

TITLE: Measurement of blood lipoprotein constituents by analysis of data acquired from an NMR spectrometer

DATE-ISSUED: June 12, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos; James D.	Shorewood	WI	53211	

US-CL-CURRENT: 600/419; 128/922, 435/111, 436/173, 436/71, 436/87, 600/410

Full	Title	Citation	Frant	Review	Classification	Date	Reference			Claims	AWC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
METABOLITE	27189
METABOLITES	37509
( 44 AND METABOLITE ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	2
( L44 AND (METABOLITE) ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	2

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Search Results - Record(s) 1 through 22 of 22 returned.

1. Document ID: US 20060013454 A1

**Using default format because multiple data bases are involved.**

L46: Entry 1 of 22

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060013454

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060013454 A1

TITLE: Systems for identifying, displaying, marking, and treating suspect regions of tissue

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Flewelling; RossF	Chelmsford	MA	US
Griffin; Christopher E.	West Groton	MA	US
Jiang; Chunsheng	Reading	MA	US
Schott; Jean-Pierre	Weston	MA	US
Schomacker; Kevin T.	Maynard	MA	US

US-CL-CURRENT: 382/128

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Keywords	Drawings
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2. Document ID: US 20050280414 A1

L46: Entry 2 of 22

File: PGPB

Dec 22, 2005

PGPUB-DOCUMENT-NUMBER: 20050280414

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050280414 A1

TITLE: Methods and devices for analysis of sealed containers

PUBLICATION-DATE: December 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Augustine, Matthew P.	Davis	CA	US
Weekley, April J.	Orondo	WA	US

Bruins, Paul

Winters

CA

US

US-CL-CURRENT: 324/312

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MM	Draw D
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 3. Document ID: US 20050222504 A1

L46: Entry 3 of 22

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050222504

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050222504 A1

TITLE: NMR clinical analyzers and related methods, systems, modules and computer program products for clinical evaluation of biosamples

PUBLICATION-DATE: October 6, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otvos, James D.	Apex	NC	US
Jeyarajah, Elias J.	Raleigh	NC	US
Markham, Stephen	Raleigh	NC	US
Matyus, Steven P.	Durham	NC	US
Morgan, David R.	Raleigh	NC	US
Silberman, Bruce D.	Apex	NC	US
Deuel, Donald R.	Raleigh	NC	US

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	MM	Draw D
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 4. Document ID: US 20050104589 A1

L46: Entry 4 of 22

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050104589

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050104589 A1

TITLE: Methods and devices for analysis of sealed containers

PUBLICATION-DATE: May 19, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Augustine, Matthew P.	Davis	CA	US
Weekley, April J.	Orondo	WA	US
Bruins, Paul	Winters	CA	US

US-CL-CURRENT: 324/312; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw D.
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 5. Document ID: US 20040090231 A1

L46: Entry 5 of 22

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040090231  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20040090231 A1

TITLE: Methods and devices for analysis of sealed containers

PUBLICATION-DATE: May 13, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Augustine, Matthew P.	Davis	CA	US
Weekley, April J.	Orondo	WA	US
Bruins, Paul	Winters	CA	US

US-CL-CURRENT: 324/309; 324/307, 324/318, 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw D.
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 6. Document ID: US 20030054559 A1

L46: Entry 6 of 22

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054559  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20030054559 A1

TITLE: Method of determining presence and concentration of lipoprotein X in blood plasma and serum

PUBLICATION-DATE: March 20, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otvos, James D.	Apex	NC	US
Jeyarajah, Elias J.	Raleigh	NC	US
Shalaurova, Irina Y.	Cary	NC	US

US-CL-CURRENT: 436/71; 436/173, 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw D.
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7. Document ID: US 20030052677 A1

L46: Entry 7 of 22

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030052677  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20030052677 A1

TITLE: Method and apparatus for high resolution ex-situ NMR spectroscopy

PUBLICATION-DATE: March 20, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Pines, Alexander	Berkeley	CA	US
Meriles, Carlos A.	El Cerrito	CA	US
Heise, Henrike	Goettingen	CA	DE
Sakellariou, Dimitrios	Oakland	CA	US
Moule, Adam	Berkeley		US

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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 8. Document ID: US 7012427 B2

L46: Entry 8 of 22

File: USPT

Mar 14, 2006

US-PAT-NO: 7012427  
 DOCUMENT-IDENTIFIER: US 7012427 B2

TITLE: Methods and devices for analysis of sealed containers

DATE-ISSUED: March 14, 2006

## PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050104589 A1	May 19, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Augustine; Matthew P.	Davis	CA		US
Weekley; April J.	Davis	CA		US
Bruins; Paul	Winters	CA		US

US-CL-CURRENT: 324/307; 324/321

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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9. Document ID: US 6940065 B2

L46: Entry 9 of 22

File: USPT

Sep 6, 2005

US-PAT-NO: 6940065

DOCUMENT-IDENTIFIER: US 6940065 B2

TITLE: Method for characterizing biomolecules utilizing a result driven strategy

DATE-ISSUED: September 6, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Graber; Armin	Marlboro	MA		
Patterson; Dale H.	Hudson	MA		
Juhasz; Peter	Natick	MA		
Martin; Stephen A.	Belmont	MA		

US-CL-CURRENT: 250/282; 250/281, 250/287, 250/288, 250/290, 382/128, 382/129

Full	Title	Chation	Front	Review	Classification	Date	Reference	Claims	DOC	Draw D
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 10. Document ID: US 6911822 B2

L46: Entry 10 of 22

File: USPT

Jun 28, 2005

US-PAT-NO: 6911822

DOCUMENT-IDENTIFIER: US 6911822 B2

TITLE: Methods and devices for analysis of sealed containers

DATE-ISSUED: June 28, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Augustine; Matthew P.	Davis	CA		
Weekley; April J.	Orondo	WA		
Bruins; Paul	Winters	CA		

US-CL-CURRENT: 324/324; 324/307

Full	Title	Chation	Front	Review	Classification	Date	Reference	Claims	DOC	Draw D
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 11. Document ID: US 6891371 B1

L46: Entry 11 of 22

File: USPT

May 10, 2005

US-PAT-NO: 6891371

DOCUMENT-IDENTIFIER: US 6891371 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Method and system of generating an MRS spectrum from multiple receiver data

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frigo; Frederick J.	Waukesha	WI		
Heinen; James A.	Wauwatosa	WI		
Raidy; Thomas E.	Elm Grove	WI		
Hopkins; Jeffery A.	Pewaukee	WI		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Publ	Draw. C.
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12. Document ID: US 6674282 B2

L46: Entry 12 of 22

File: USPT

Jan 6, 2004

US-PAT-NO: 6674282

DOCUMENT-IDENTIFIER: US 6674282 B2

TITLE: Method and apparatus for high resolution ex-situ NMR spectroscopy

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pines; Alexander	Berkeley	CA		
Meriles; Carlos A.	El Cerrito	CA		
Heise; Henrike	Goettingen			DE
Sakellariou; Dimitrios	Oakland	CA		
Moule; Adam	Berkeley	CA		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Publ	Draw. C.
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13. Document ID: US 6617167 B2

L46: Entry 13 of 22

File: USPT

Sep 9, 2003

US-PAT-NO: 6617167

DOCUMENT-IDENTIFIER: US 6617167 B2

TITLE: Method of determining presence and concentration of lipoprotein X in blood plasma and serum

DATE-ISSUED: September 9, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos; James D.	Apex	NC		
Jeyarajah; Elias J.	Raleigh	NC		
Shalaurova; Irina Y.	Cary	NC		

US-CL-CURRENT: 436/71; 324/307, 324/310, 324/311, 324/312, 422/68.1, 436/173

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Pub	Draw

 14. Document ID: US 5757187 A

L46: Entry 14 of 22

File: USPT

May 26, 1998

US-PAT-NO: 5757187

DOCUMENT-IDENTIFIER: US 5757187 A

TITLE: Apparatus and method for image formation in magnetic resonance utilizing weak time-varying gradient fields

DATE-ISSUED: May 26, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wollin; Ernest	Leesburg	FL		

US-CL-CURRENT: 324/306; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Pub	Draw

 15. Document ID: US 5412322 A

L46: Entry 15 of 22

File: USPT

May 2, 1995

US-PAT-NO: 5412322

DOCUMENT-IDENTIFIER: US 5412322 A

TITLE: Apparatus and method for spatially ordered phase encoding and for determining complex permittivity in magnetic resonance by using superimposed time-varying electric fields

DATE-ISSUED: May 2, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wollin; Ernest	Leesburg	FL		

US-CL-CURRENT: 324/318; 324/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Pub	Draw

16. Document ID: US 5218299 A

L46: Entry 16 of 22

File: USPT

Jun 8, 1993

US-PAT-NO: 5218299

DOCUMENT-IDENTIFIER: US 5218299 A

TITLE: Method for correcting spectral and imaging data and for using such corrected data in magnet shimming

DATE-ISSUED: June 8, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dunkel; Reinhard	Salt Lake City	UT	84102	

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INTC	Drawings

 17. Document ID: US 5041789 A

L46: Entry 17 of 22

File: USPT

Aug 20, 1991

US-PAT-NO: 5041789

DOCUMENT-IDENTIFIER: US 5041789 A

TITLE: Magnetic-resonance instrument employing barcode experiment specification

DATE-ISSUED: August 20, 1991

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keller; Tony	Reinstetten-Forchheim			DE
Laukien; Gunther R.	Rheinstetten			DE
Spraul; Manfred	Ettlingen			DE

US-CL-CURRENT: 324/318; 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	INTC	Drawings

 18. Document ID: US 4933844 A

L46: Entry 18 of 22

File: USPT

Jun 12, 1990

US-PAT-NO: 4933844

DOCUMENT-IDENTIFIER: US 4933844 A

TITLE: Measurement of blood lipoprotein constituents by analysis of data acquired

from an NMR spectrometer

DATE-ISSUED: June 12, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos; James D.	Shorewood	WI	53211	

US-CL-CURRENT: 600/419; 128/922, 435/111, 436/173, 436/71, 436/87, 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings

19. Document ID: US 4665366 A

L46: Entry 19 of 22

File: USPT

May 12, 1987

US-PAT-NO: 4665366

DOCUMENT-IDENTIFIER: US 4665366 A

TITLE: NMR imaging system using phase-shifted signals

DATE-ISSUED: May 12, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Macovski; Albert	Menlo Park	CA	94025	

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings

20. Document ID: US 4385277 A

L46: Entry 20 of 22

File: USPT

May 24, 1983

US-PAT-NO: 4385277

DOCUMENT-IDENTIFIER: US 4385277 A

\*\* See image for Certificate of Correction \*\*

TITLE: Topical nuclear magnetic resonance spectrometer and method

DATE-ISSUED: May 24, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hanley; Peter E.	Oxfordshire			GB2

US-CL-CURRENT: 324/309; 324/319, 335/299

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Keywords	Drawings

21. Document ID: US 3810001 A

L46: Entry 21 of 22

File: USPT

May 7, 1974

US-PAT-NO: 3810001

DOCUMENT-IDENTIFIER: US 3810001 A

TITLE: NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY EMPLOYING DIFFERENCE FREQUENCY MEASUREMENTS

DATE-ISSUED: May 7, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ernst; Richard Robert	Winterthur			CH

US-CL-CURRENT: 324/313; 324/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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22. Document ID: US 3530373 A

L46: Entry 22 of 22

File: USOC

Sep 22, 1970

US-PAT-NO: 3530373

DOCUMENT-IDENTIFIER: US 3530373 A

TITLE: METHODS AND APPARATUS FOR PULSED NUCLEAR MAGNETIC RESONANCE OF SOLIDS

DATE-ISSUED: September 22, 1970

INVENTOR-NAME: WAUGH JOHN S

US-CL-CURRENT: 324/311

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
SPECTRUM	461570
SPECTRUMS	9509
SCAL\$4	0
SCAL	9763
SCALA	1543

SCALAALY	1
SCALAB	15
SCALABE	21
SCALABEL	4
SCALABI	1
SCALABIC	1
(L43 AND ((SCAL\$4 OR WEIGHT\$4 OR WEIGH\$4) WITH (SPECTRUM))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	22

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Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20010024796 A1

**Using default format because multiple data bases are involved.**

L48: Entry 1 of 3

File: PGPB

Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010024796  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20010024796 A1

TITLE: Methods for parallel detection of compositions having desired characteristics

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Selifonov, Sergey A.	Gainesville	FL	US
Huisman, Gjalt W.	San Carlos	CA	US

US-CL-CURRENT: [435/7.1](#); [324/308](#)

Full	Title	Creation	Print	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Drawings
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2. Document ID: US 5903149 A

L48: Entry 2 of 3

File: USPT

May 11, 1999

US-PAT-NO: 5903149  
 DOCUMENT-IDENTIFIER: US 5903149 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Three-dimensional localized proton NMR spectroscopy using a hybrid of one-dimensional hadamard with two-dimensional chemical shift imaging

DATE-ISSUED: May 11, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gonen; Oded	Cheltenham	PA		
Goelman; Gadi	Rosh Haaein			IL
Leigh; John S.	Philadelphia	PA		
Bolinger; Lizann	Philadelphia	PA		

US-CL-CURRENT: 324/307

Full	Title	Citation	Frant	Review	Classification	Date	Reference	Claims	DOC	Draw D
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3. Document ID: US 5192909 A

L48: Entry 3 of 3

File: USPT

Mar 9, 1993

US-PAT-NO: 5192909

DOCUMENT-IDENTIFIER: US 5192909 A

TITLE: Spectroscopic localization using pinwheel NMR excitation pulses

DATE-ISSUED: March 9, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hardy; Christopher J.	Schenectady	NY		
Bottomley; Paul A.	Clifton Park	NY		
Cline; Harvey E.	Schenectady	NY		

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation
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## Hit List

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Search Results - Record(s) 1 through 22 of 22 returned.

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1. Document ID: US 20060019409 A1

**Using default format because multiple data bases are involved.**

L54: Entry 1 of 22

File: PGPB

Jan 26, 2006

PGPUB-DOCUMENT-NUMBER: 20060019409

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060019409 A1

TITLE: Spectroscopic methods for component particle analysis

PUBLICATION-DATE: January 26, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nelson; Matthew P.	Harrison City	PA	US
Treado; Patrick	Pittsburgh	PA	US
Attanucci; Jason	Pittsburgh	PA	US

US-CL-CURRENT: 436/524; 382/128

Full	Title	Citation	Form	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw. C.
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2. Document ID: US 20060013454 A1

L54: Entry 2 of 22

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060013454

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060013454 A1

TITLE: Systems for identifying, displaying, marking, and treating suspect regions of tissue

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Flewelling; RossF	Chelmsford	MA	US
Griffin; Christopher E.	West Groton	MA	US
Jiang; Chunsheng	Reading	MA	US
Schott; Jean-Pierre	Weston	MA	US

Schomacker; Kevin T.

Maynard

MA

US

US-CL-CURRENT: 382/128

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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 3: Document ID: US 20050035766 A1

L54: Entry 3 of 22

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050035766

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050035766 A1

TITLE: Advanced slow-magic angle spinning probe for magnetic resonance imaging and spectroscopy

PUBLICATION-DATE: February 17, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wind, Robert A.	West Richland	WA	US
Hu, Jian Zhi	Richland	WA	US
Minard, Kevin R.	Kennewick	WA	US
Rommereim, Donald N.	Pasco	WA	US

US-CL-CURRENT: 324/322; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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 4. Document ID: US 20040095139 A1

L54: Entry 4 of 22

File: PGPB

May 20, 2004

PGPUB-DOCUMENT-NUMBER: 20040095139

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040095139 A1

TITLE: Magnetic resonance spectroscopy

PUBLICATION-DATE: May 20, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Brown, Mark Allen	Durham	NC	US

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. D.
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5. Document ID: US 20030139667 A1

L54: Entry 5 of 22

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139667  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20030139667 A1

TITLE: Tissue viability/health monitor utilizing near infrared spectroscopy

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hewko, Mark D.	Manitoba		CA
Leonardi, Lorenzo	Manitoba		CA
Sowa, Michael G.	Manitoba		CA

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawings
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 6. Document ID: US 20030054559 A1

L54: Entry 6 of 22

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054559  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20030054559 A1

TITLE: Method of determining presence and concentration of lipoprotein X in blood plasma and serum

PUBLICATION-DATE: March 20, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otvos, James D.	Apex	NC	US
Jeyarajah, Elias J.	Raleigh	NC	US
Shalaurova, Irina Y.	Cary	NC	US

US-CL-CURRENT: 436/71; 436/173, 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Drawings
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 7. Document ID: US 6989674 B2

L54: Entry 7 of 22

File: USPT

Jan 24, 2006

US-PAT-NO: 6989674

DOCUMENT-IDENTIFIER: US 6989674 B2

TITLE: Advanced slow-magic angle spinning probe for magnetic resonance imaging and spectroscopy

DATE-ISSUED: January 24, 2006

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20050035766 A1	February 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wind; Robert A.	West Richland	WA		US
Hu; Jian Zhi	Richland	WA		US
Minard; Kevin R.	Kennewick	WA		US
Rommereim; Donald N.	Pasco	WA		US

US-CL-CURRENT: 324/321; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Pub	Draw D.

 8. Document ID: US 6891371 B1

L54: Entry 8 of 22

File: USPT

May 10, 2005

US-PAT-NO: 6891371

DOCUMENT-IDENTIFIER: US 6891371 B1

**\*\* See image for Certificate of Correction \*\***TITLE: Method and system of generating an MRS spectrum from multiple receiver data

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Frigo; Frederick J.	Waukesha	WI		
Heinen; James A.	Wauwatosa	WI		
Raidy; Thomas E.	Elm Grove	WI		
Hopkins; Jeffery A.	Pewaukee	WI		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Pub	Draw D.

 9. Document ID: US 6617167 B2

L54: Entry 9 of 22

File: USPT

Sep 9, 2003

US-PAT-NO: 6617167

DOCUMENT-IDENTIFIER: US 6617167 B2

TITLE: Method of determining presence and concentration of lipoprotein X in blood plasma and serum

DATE-ISSUED: September 9, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos; James D.	Apex	NC		
Jeyarajah; Elias J.	Raleigh	NC		
Shalaurova; Irina Y.	Cary	NC		

US-CL-CURRENT: [436/71](#); [324/307](#), [324/310](#), [324/311](#), [324/312](#), [422/68.1](#), [436/173](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Pub	Draw D
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 10. Document ID: US 6498945 B1

L54: Entry 10 of 22

File: USPT

Dec 24, 2002

US-PAT-NO: 6498945

DOCUMENT-IDENTIFIER: US 6498945 B1

TITLE: Sonodynamic therapy using an ultrasound sensitizer compound

DATE-ISSUED: December 24, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Alfheim; Jan Alan	Hagan			NO
Henrichs; Paul Mark	Houston	TX		
Hohenschuh; Eric Paul	Berwyn	PA		
Johannesen; Edvin Wilhelm	Oslo			NO
Sanderson; William Anthony	late of Wayne	PA		
Snow; Robert Allen	West Chester	PA		

US-CL-CURRENT: [600/407](#); [424/9.1](#), [600/431](#), [601/2](#), [604/22](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Pub	Draw D
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 11. Document ID: US 6055325 A

L54: Entry 11 of 22

File: USPT

Apr 25, 2000

US-PAT-NO: 6055325

DOCUMENT-IDENTIFIER: US 6055325 A

TITLE: Color display of chromosomes or portions of chromosomes

DATE-ISSUED: April 25, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garini; Yuval	Koranit			IL
Cabib; Dario	Timrat			IL
Buckwald; Robert A.	Ramat Yishay			IL
Soenksen; Dirk G.	Carlsbad	CA		
Katzir; Nir	Givat Elah			IL
Wine; David	Timrat			IL
Lavi; Moshe	Tivon			IL

US-CL-CURRENT: 382/129; 382/133

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	AMC	Drawings
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 12. Document ID: US 6027941 A

L54: Entry 12 of 22

File: USPT

Feb 22, 2000

US-PAT-NO: 6027941

DOCUMENT-IDENTIFIER: US 6027941 A

TITLE: Method for distance measurements with solid-state NMR

DATE-ISSUED: February 22, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jarvie; Thomas P.	Middletown	CT		
Bader; Joel S.	Branford	CT		
Went; Gregory T.	Madison	CT		

US-CL-CURRENT: 436/173; 324/309, 324/311, 324/313, 324/314, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	AMC	Drawings
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 13. Document ID: US 6007996 A

L54: Entry 13 of 22

File: USPT

Dec 28, 1999

US-PAT-NO: 6007996

DOCUMENT-IDENTIFIER: US 6007996 A

TITLE: In situ method of analyzing cells

DATE-ISSUED: December 28, 1999

## INVENTOR-INFORMATION:



NAME	CITY	STATE	ZIP CODE	COUNTRY
McNamara; George	Carlsbad	CA		
Soenksen; Dirk	Carlsbad	CA		
Cabib; Dario	Timrat			IL
Buckwald; Robert A.	Ramat Yishay			IL

US-CL-CURRENT: 435/6; 382/129, 382/133, 382/134, 435/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw. C.
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14. Document ID: US 5886525 A

L54: Entry 14 of 22

File: USPT

Mar 23, 1999

US-PAT-NO: 5886525

DOCUMENT-IDENTIFIER: US 5886525 A

TITLE: Apparatus and method for performing NMR spectroscopy on solid sample by rotation

DATE-ISSUED: March 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yesinowski; James Paul	Fort Washington	MD		
Hill; Edward A.	Alexandria	VA		

US-CL-CURRENT: 324/321; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw. C.
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15. Document ID: US 5876337 A

L54: Entry 15 of 22

File: USPT

Mar 2, 1999

US-PAT-NO: 5876337

DOCUMENT-IDENTIFIER: US 5876337 A

TITLE: Magnetic resonance imaging apparatus and method for correcting the intensity of the static magnetic field of the apparatus

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsuda; Munetaka	Mito			JP

US-CL-CURRENT: 600/410; 324/307, 324/309, 324/318, 324/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUM	Draw D
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 16. Document ID: US 5374889 A

L54: Entry 16 of 22

File: USPT

Dec 20, 1994

US-PAT-NO: 5374889

DOCUMENT-IDENTIFIER: US 5374889 A

TITLE: Magnetic resonance measurement

DATE-ISSUED: December 20, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leach; Martin O.	Wallington			GB
Sharp; Jonathan C.	Leicester			GB

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUM	Draw D
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 17. Document ID: US 5343151 A

L54: Entry 17 of 22

File: USPT

Aug 30, 1994

US-PAT-NO: 5343151

DOCUMENT-IDENTIFIER: US 5343151 A

TITLE: Method for automatically shimming a high resolution NMR magnet

DATE-ISSUED: August 30, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cory; David G.	Boston	MA		
Sprenger; Peter	Lexington	MA		

US-CL-CURRENT: 324/320; 324/319

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUM	Draw D
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 18. Document ID: US 4933844 A

L54: Entry 18 of 22

File: USPT

Jun 12, 1990

US-PAT-NO: 4933844

DOCUMENT-IDENTIFIER: US 4933844 A

TITLE: Measurement of blood lipoprotein constituents by analysis of data acquired from an NMR spectrometer

DATE-ISSUED: June 12, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos; James D.	Shorewood	WI	53211	

US-CL-CURRENT: 600/419; 128/922, 435/111, 436/173, 436/71, 436/87, 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D.

19. Document ID: US 4899109 A

L54: Entry 19 of 22

File: USPT

Feb 6, 1990

US-PAT-NO: 4899109

DOCUMENT-IDENTIFIER: US 4899109 A

TITLE: Method and apparatus for automated magnetic field shimming in magnetic resonance spectroscopic imaging

DATE-ISSUED: February 6, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tropp; James S.	Berkeley	CA		
Derby; Kevin A.	S. San Francisco	CA		
Hawryszko; K. Christine	Millbrae	CA		

US-CL-CURRENT: 324/320; 324/319

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw D.

20. Document ID: US 4812760 A

L54: Entry 20 of 22

File: USPT

Mar 14, 1989

US-PAT-NO: 4812760

DOCUMENT-IDENTIFIER: US 4812760 A

TITLE: Multi-dimensional selective NMR excitation with a single RF pulse

DATE-ISSUED: March 14, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bottomley; Paul A.	Clifton Park	NY		
Hardy; Christopher J.	Schenectady	NY		

O'Donnell; Matthew                      Schenectady                      NY  
 Roemer; Peter B.                          Schenectady                      NY

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KIND	Draw D.
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21. Document ID: US 3810001 A

L54: Entry 21 of 22

File: USPT

May 7, 1974

US-PAT-NO: 3810001  
 DOCUMENT-IDENTIFIER: US 3810001 A

TITLE: NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY EMPLOYING DIFFERENCE FREQUENCY MEASUREMENTS

DATE-ISSUED: May 7, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ernst; Richard Robert	Winterthur			CH

US-CL-CURRENT: 324/313; 324/314

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KIND	Draw D.
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22. Document ID: US 3530373 A

L54: Entry 22 of 22

File: USOC

Sep 22, 1970

US-PAT-NO: 3530373  
 DOCUMENT-IDENTIFIER: US 3530373 A

TITLE: METHODS AND APPARATUS FOR PULSED NUCLEAR MAGNETIC RESONANCE OF SOLIDS

DATE-ISSUED: September 22, 1970

INVENTOR-NAME: WAUGH JOHN S

US-CL-CURRENT: 324/311

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KIND	Draw D.
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Term	Documents
BODY	4232975

BODIES	493349
BODYS	433
SURFACE	8164169
SURFACES	2714763
REFERENCE	5177054
REFERENCES	1641976
SCAL\$4	0
SCAL	9763
SCALA	1543
SCALAALY	1
(L52 AND ((SCAL\$4 OR WEIGHT\$4 OR WEIGH\$4) WITH (BODY OR SURFACE OR LOCAL\$2 OR REFERENCE))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	22

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1. Document ID: US 20030054559 A1

Using default format because multiple data bases are involved.

L55: Entry 1 of 7

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054559  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20030054559 A1

TITLE: Method of determining presence and concentration of lipoprotein X in blood plasma and serum

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Otvos, James D.	Apex	NC	US
Jeyarajah, Elias J.	Raleigh	NC	US
Shalaurova, Irina Y.	Cary	NC	US

US-CL-CURRENT: [436/71](#); [436/173](#), [600/410](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	TOC	Drawings
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2. Document ID: US 6617167 B2

L55: Entry 2 of 7

File: USPT

Sep 9, 2003

US-PAT-NO: 6617167  
 DOCUMENT-IDENTIFIER: US 6617167 B2

TITLE: Method of determining presence and concentration of lipoprotein X in blood plasma and serum

DATE-ISSUED: September 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos, James D.	Apex	NC		
Jeyarajah, Elias J.	Raleigh	NC		
Shalaurova, Irina Y.	Cary	NC		

US-CL-CURRENT: [436/71](#); [324/307](#), [324/310](#), [324/311](#), [324/312](#), [422/68.1](#), [436/173](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Publ.	Draw. D.
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 3. Document ID: US 6055325 A

L55: Entry 3 of 7

File: USPT

Apr 25, 2000

US-PAT-NO: 6055325

DOCUMENT-IDENTIFIER: US 6055325 A

TITLE: Color display of chromosomes or portions of chromosomes

DATE-ISSUED: April 25, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Garini; Yuval	Koranit			IL
Cabib; Dario	Timrat			IL
Buckwald; Robert A.	Ramat Yishay			IL
Soenksen; Dirk G.	Carlsbad	CA		
Katzir; Nir	Givat Elah			IL
Wine; David	Timrat			IL
Lavi; Moshe	Tivon			IL

US-CL-CURRENT: [382/129](#); [382/133](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Publ.	Draw. D.
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 4. Document ID: US 6007996 A

L55: Entry 4 of 7

File: USPT

Dec 28, 1999

US-PAT-NO: 6007996

DOCUMENT-IDENTIFIER: US 6007996 A

TITLE: In situ method of analyzing cells

DATE-ISSUED: December 28, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McNamara; George	Carlsbad	CA		
Soenksen; Dirk	Carlsbad	CA		
Cabib; Dario	Timrat			IL
Buckwald; Robert A.	Ramat Yishay			IL

US-CL-CURRENT: [435/6](#); [382/129](#), [382/133](#), [382/134](#), [435/7.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	AMC	Drawings
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 5. Document ID: US 4933844 A

L55: Entry 5 of 7

File: USPT

Jun 12, 1990

US-PAT-NO: 4933844

DOCUMENT-IDENTIFIER: US 4933844 A

TITLE: Measurement of blood lipoprotein constituents by analysis of data acquired from an NMR spectrometer

DATE-ISSUED: June 12, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos; James D.	Shorewood	WI	53211	

US-CL-CURRENT: 600/419; 128/922, 435/111, 436/173, 436/71, 436/87, 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	AMC	Drawings
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 6. Document ID: US 4899109 A

L55: Entry 6 of 7

File: USPT

Feb 6, 1990

US-PAT-NO: 4899109

DOCUMENT-IDENTIFIER: US 4899109 A

TITLE: Method and apparatus for automated magnetic field shimming in magnetic resonance spectroscopic imaging

DATE-ISSUED: February 6, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tropp; James S.	Berkeley	CA		
Derby; Kevin A.	S. San Francisco	CA		
Hawryszko; K. Christine	Millbrae	CA		

US-CL-CURRENT: 324/320; 324/319

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	AMC	Drawings
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 7. Document ID: US 3810001 A

L55: Entry 7 of 7

File: USPT

May 7, 1974

US-PAT-NO: 3810001



DOCUMENT-IDENTIFIER: US 3810001 A

TITLE: NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY EMPLOYING DIFFERENCE FREQUENCY MEASUREMENTS

DATE-ISSUED: May 7, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ernst; Richard Robert	Winterthur			CH

US-CL-CURRENT: 324/313; 324/314

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INTC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
BODY	4232975
BODIES	493349
BODYS	433
SURFACE	8164169
SURFACES	2714763
REFERENCE	5177054
REFERENCES	1641976
SCAL\$4	0
SCAL	9763
SCALA	1543
SCALAALY	1
(L53 AND ((SCAL\$4 OR WEIGHT\$4 OR WEIGH\$4) WITH (SPECTRUM\$4) WITH (BODY OR SURFACE OR LOCAL\$2 OR REFERENCE))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	7

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Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 4933844 A

**Using default format because multiple data bases are involved.**

L56: Entry 1 of 2

File: USPT

Jun 12, 1990

US-PAT-NO: 4933844  
DOCUMENT-IDENTIFIER: US 4933844 A

TITLE: Measurement of blood lipoprotein constituents by analysis of data acquired from an NMR spectrometer

DATE-ISSUED: June 12, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Otvos; James D.	Shorewood	WI	53211	

US-CL-CURRENT: [600/419](#); [128/922](#), [435/111](#), [436/173](#), [436/71](#), [436/87](#), [600/410](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	MMO	Class. C.

2. Document ID: US 4899109 A

L56: Entry 2 of 2

File: USPT

Feb 6, 1990

US-PAT-NO: 4899109  
DOCUMENT-IDENTIFIER: US 4899109 A

TITLE: Method and apparatus for automated magnetic field shimming in magnetic resonance spectroscopic imaging

DATE-ISSUED: February 6, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tropp; James S.	Berkeley	CA		
Derby; Kevin A.	S. San Francisco	CA		
Hawryszko; K. Christine	Millbrae	CA		

US-CL-CURRENT: [324/320](#); [324/319](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	MMO	Class. C.

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Term	Documents
METABOLITE	27189
METABOLITES	37509
(55 AND METABOLITE) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	2
(L54 AND (METABOLITE) ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	2

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# Hit List

Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 3810001 A

**Using default format because multiple data bases are involved.**

L58: Entry 1 of 1

File: USPT

May 7, 1974

US-PAT-NO: 3810001  
DOCUMENT-IDENTIFIER: US 3810001 A

TITLE: NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY EMPLOYING DIFFERENCE FREQUENCY MEASUREMENTS

DATE-ISSUED: May 7, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ernst; Richard Robert	Winterthur			CH

US-CL-CURRENT: 324/313; 324/314

Full	Title	Citation	Front	Review	Classification	Date	References		Claims	IPC	Class. Cl.
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Term	Documents
BODY	4232975
BODIES	493349
BODYS	433
SURFACE	8164169
SURFACES	2714763
REFERENCE	5177054
REFERENCES	1641976
SIGNAL	4122071
SIGNALS	2176866
COIL	1277044
COILS	423690
(L56 AND ((SCAL\$4 OR WEIGHT\$4 OR WEIGH\$4)	

WITH (SPECTRUM\$4) WITH ((BODY OR SURFACE OR LOCAL\$2 OR REFERENCE) WITH (SIGNAL OR COIL)))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
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Search Results - Record(s) 1 through 3 of 3 returned.

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1. Document ID: US 20010024796 A1

Using default format because multiple data bases are involved.

L61: Entry 1 of 3

File: PGPB

Sep 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010024796  
 PGPUB-FILING-TYPE: new  
 DOCUMENT-IDENTIFIER: US 20010024796 A1

TITLE: Methods for parallel detection of compositions having desired characteristics

PUBLICATION-DATE: September 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Selifonov, Sergey A.	Gainesville	FL	US
Huisman, Gjalt W.	San Carlos	CA	US

US-CL-CURRENT: [435/7.1](#); [324/308](#)

Full	Title	Citation	Front	Referred	Classification	Date	Reference	Sequences	Attachments	Claims	FIG	Drawings
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2. Document ID: US 6987997 B1

L61: Entry 2 of 3

File: USPT

Jan 17, 2006

US-PAT-NO: 6987997  
 DOCUMENT-IDENTIFIER: US 6987997 B1

TITLE: Method and apparatus for improved metabolite signal separation in MR spectroscopy

DATE-ISSUED: January 17, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hurd; Ralph E.	Milpitas	CA		US
Sailasuta; Napapon	Morgan Hill	CA		US

US-CL-CURRENT: [600/410](#); [324/306](#), [324/307](#), [324/309](#), [600/407](#)

Full	Title	Craton	Front	Review	Classification	Date	Reference	Claims	Pub	Class
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 3. Document ID: US 4962357 A

L61: Entry 3 of 3

File: USPT

Oct 9, 1990

US-PAT-NO: 4962357

DOCUMENT-IDENTIFIER: US 4962357 A

\*\* See image for Certificate of Correction \*\*

TITLE: Two-dimensional method for spectral editing of NMR signals produced by metabolites containing coupled spins

DATE-ISSUED: October 9, 1990

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sotak; Christopher H.	Jefferson	MA	01522	

US-CL-CURRENT: 324/309; 324/311, 600/410

Full	Title	Craton	Front	Review	Classification	Date	Reference	Claims	Pub	Class
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
METABOLITE.	27189
METABOLITES	37509
PLURALITY	3914787
PLURALITIES	26514
PLURALITYS	7
GROUP	2778034
GP	305140
GROUPS	1353624
SET	5854266
SETS	1210337
MULTIPLE	1840987
(L40 AND ((METABOLITE) WITH (((PLURALITY OR GROUP OR "SET" OR MULTIPLE OR "MULTI") WITH COIL) OR ARRAY))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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